

Annual Report 2010-2011

Utah Department of Natural Resources

Annual Report and Directory of Services

“WE ARE DNR”



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Utah Geological Survey



Balloon Stampede at Antelope Island State Park

Cover Photo

Local media observe as a backhoe breaches the dike at the Ogden Bird Refuge to allow water from the high spring runoff to flow through to an adjacent canal



STATE OF UTAH

GARY R. HERBERT
GOVERNOR

OFFICE OF THE GOVERNOR
SALT LAKE CITY, UTAH
84114-2220

GREG BELL
LIEUTENANT GOVERNOR

The theme of this year's Annual Report is "We Are DNR" for the Utah Department of Natural Resources. It is a reflection of the pride that exists within the department and its employees.

As Governor, I understand the challenges all state agencies have faced while trying to provide public service on shrinking budgets. Positions have been cut and programs have been scaled-back or eliminated.

The employees of DNR understand they are a critical link to the high quality of life in Utah. They have kept state parks open, continued to stock lakes and rivers with fish, and doused wildfires, among many other things. I applaud their efforts.

To the biologists, geologists, rangers, wildland firefighters, conservation officers, engineers, professional office staff and the many other DNR employees, I say thank you. Thank you for your hard work and commitment to the people of the great state of Utah.

Most sincerely,

A handwritten signature in black ink that reads "Gary R. Herbert". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Gary R. Herbert
Governor



Utah Governor Gary Herbert pictured with State Parks and Recreation employees, Kari Carlisle, museum coordinator, Shari Gallegos, seasonal employee and Bob Hanover, park manager

Executive Director's Message

As we began preparing for the 2011 legislative session, we decided to showcase our employees and the variety of work that they do. It would have taken us days to describe in words, the work of our seven divisions.

Since pictures tell a thousand words, we decided to produce a video to do the talking for us. "We Are DNR" is the title of that video, and it is also the title of our 2010-2011 Annual Report.

The work that the employees of the Utah Department of Natural Resources complete is incredible and varied and sometimes dangerous. This past year, Park Ranger Brody Young returned fire after being ambushed at a trailhead near Moab. Remarkably, he survived the firefight but lives with bullets still lodged in his body. Ranger Young is a living example of the kind of perseverance and dedication that our employees embody.

In the past few years, our seven divisions have learned to share resources and work together to utilize the expertise of each other. We truly are at a point in our history where we can stand together and say, "We Are DNR."

Michael R. Styler, DNR Executive Director



DNR Executive Director Mike Styler assists with State Park Ranger Brody Young

DNR Annual Employee Award Winners

Executive Director's Award

Co-Recipients:

Bob Evans
Administration/Fleet

"What a surprise to receive this employee award. I appreciate working with the employees at DNR. As motor pool manager I have enjoyed the opportunity of getting to know most of you. I look forward to working with you in the future."



Paul Gedge
Department of Technology Services

"A former executive assistant once explained to me the common thread that brings DNR together... It's the people. The willingness DNR employees share in helping others and working hard touches my heart daily. I am grateful for being a member of the DNR family. It is humbling to receive this award."



It's hard to describe in writing the emotions of gratitude I have for those I work with in the DNR. Many on the list of past recipients are heroes to me. These individuals have showed me first hand how to act with honor & honesty during times of struggle. Throughout the department I've witnessed individuals demonstrating leadership and people unselfishly taking on & fulfilling stewardships. I've seen folks face personal struggles with great strength and determination... never giving up. It truly has been my blessing to have so many wonderful people surrounding me."

DNR Annual Employee Award Winners (cont.)

Employee of the Year

Eric Stucki

Division of State Parks and Recreation

“Being nominated for Department of Natural Resource Employee of the year is an honor, just as being able to protect and provide everyday safe recreational activities to State Park Visitor’s.”



Leadership Award

Bill Leeflang

Division Water Resources

“I am grateful for the opportunity to work for the Department of Natural Resources in the design, construction, and rehabilitation of dams throughout the State. Water storage facilities are so very critical to the State’s water users in our arid climate. This work and service has been and is very satisfying personally and professionally.”



Community Outreach Award

Alison McCluskey

Division of Forestry, Fire & State Lands

“When my name was announced for the 2010 Community Outreach Award, a most memorable rush of appreciation and gratitude filtered through me. My team of co-workers looked at me with big smiles and bright eyes, and I knew I was exactly where I needed to be. With tears in my eyes I braved the stand with Mike Styler, more surprised than I had ever been in my entire life.”



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L to R: Darin Bird, Kaelyn Anfinson, Mike Styler, Tammy Kikuchi, Robyn Pearson

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Kaelyn Anfinson - Executive Assistant

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L to R: Dennis Carver, Sid Groll, Reed Harris, Greg Mead, Linda Beus, Rory Reynolds

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Sid Groll - Law Enforcement Director
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Reed Harris - Species Recovery Program Director
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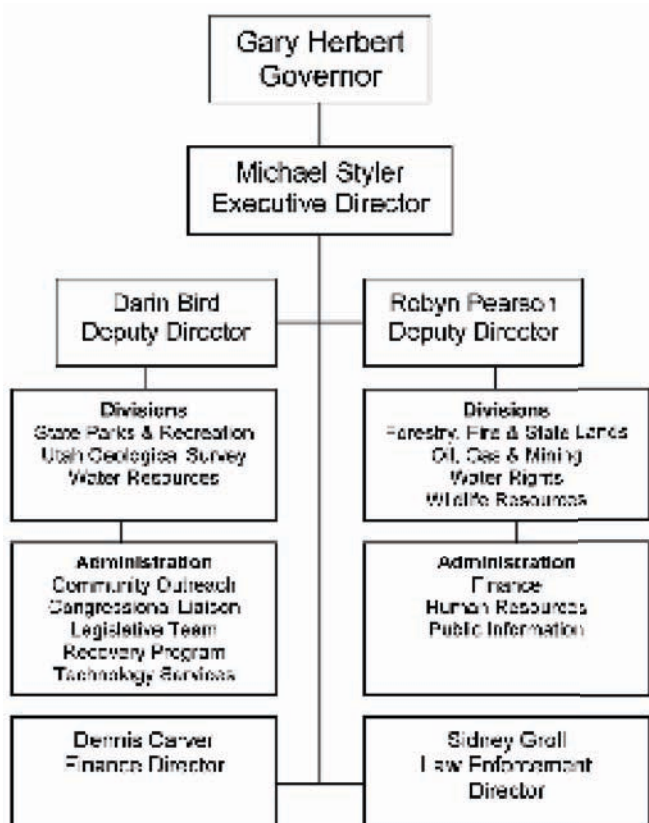
Greg Mead - Information Technology Director
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Rory Reynolds - Watershed Director
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*Bowknot Bend, Horseshoe Canyon wilderness area, Emery County
Photo: Sonja Heuscher, UGS*

Organizational Chart



Department Goals

Customer Service - Provide quality customer service

Building the Bench - Develop an active plan of recruitment to compete for quality employees and in preparation for replacing key employees as they retire

Elimination of Silos - Increase organizational efficiency and effectiveness by sharing assets and resources across organizational lines

Enhance Revenues and Reduce Costs - Focus on the use of department assets to reduce reliance upon the general fund

2010-2011 Highlights

Endangered Species Mitigation Fund

- The Logan (FES) hatchery has stocked more than 330,000 endangered June sucker into Utah Lake. The Lake's population has grown from an estimated 500 in 2,000 to ten's of thousands today.
- With habitat improvements at Hobble Creek and the expanded stocking of June sucker in Utah lake, researchers are finding naturally reproduced suckers surviving over winter for the first time in decades.
- Carp removal reached the five million pound mark in February 2011. The program hopes to take an additional five million pounds in the coming year.
- Due to the increased stocking and management of endangered razorback suckers, natural reproduction was documented in the White River in 2011.
- A good water year in the Virgin River beginning in October 2010 offers high hopes for native fish recovery efforts. More than 2,000 woundfin and 5,000 Virgin River chub were captured in 2011 sampling. These are early numbers, but are above what has been seen in recent years.



Wahweap Fish Hatchery Manager Zane Olsen holds an adult bonytail. Hatchery-raised bonytail which are stocked in the Colorado and Green Rivers in Colorado and Utah

- Wahweap State Fish Hatchery provided 1,023 woundfin for stocking in March 2011. More than 70% of those fish were of reproductive size when they went into the river.

2010-2011 Highlights (cont.)

- Virgin River Program and Division of Wildlife Resources employees made presentations to more than 5,000 Washington County students during 2010.
- Completed first full year of baseline shallow groundwater monitoring associated with wetland habitats supporting sensitive species in Snake Valley.
- Secured \$279,000 federal grant for constructing barrier to prevent Utah prairie dogs from causing a human safety issue by accessing and damaging runway at Parowan Airport.
- Continued to support implementation of the Utah Wildlife Action Plan designed to conserve native species and prevent the need for additional listings.



Endangered woundfin, raised at the Wahweap State Fish Hatchery, are grown and prepared for release in the Virgin River

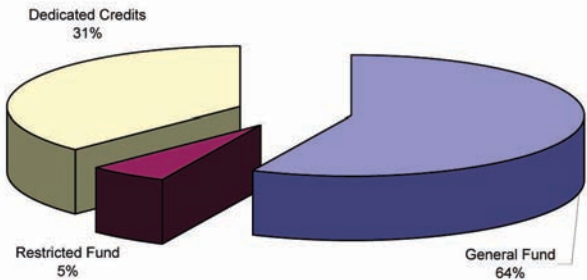
Watershed

- Locally led teams identify and implement projects to address watershed needs.
- Utah's Watershed Restoration Initiative continues to grow as a successful collaborative effort to restore and conserve natural resources throughout the state.
- 200 projects coming to a close and 100 new projects starting resulting in more than 100,000 acres of important watersheds improved.
- Legislative appropriation leveraged 6:1.

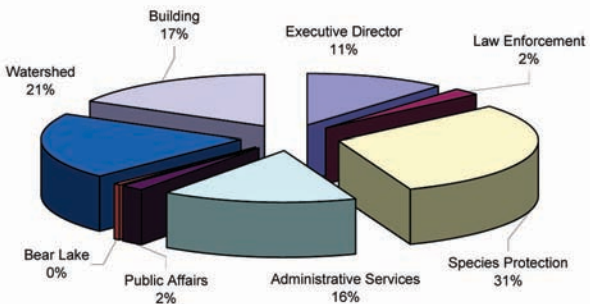
Financials

**Fiscal Year Ending
June 30, 2011
(Unaudited)
\$9,510,232**

Revenue



Expenses



*Mirror Lake in the Uinta Mountains, Duchesne County
Photo: Ken Krahulec, UGS*

Utah Division of Forestry, Fire & State Lands (FFSL)



Mission Statement

“The Division of Forestry, Fire & State Lands manages, sustains and strengthens Utah’s forests, rangelands, sovereign lands and watersheds for its citizens and visitors.”



Strategic fuel breaks like this in the Bumblebee community in southwest Utah, help stop wildfire from destroying homes while preserving the natural landscape appearance

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L to R: Dick Buehler, Roger Lewis, Nicole Dennison, Jason Curry, Tim Garcia

Executive Team

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Nicole Dennison - Administrative Secretary
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Division Director's Message

I firmly believe that the future of Utah's forests and other public lands depend on dedicated people who have a sense of stewardship for the state's natural resources. We are DNR and we are involved in economic development, public safety and keeping our watersheds healthy. Tough challenges ahead include hazardous fuels, invasive species, insect infestation in our forests, demand for natural resources and changing fire policy. We are meeting these challenges on state and private lands as well as with our federal partners on federal lands. As we continue to meet these challenges, we also engage in natural resource education, provide for forest health, engage in fuel reduction projects, maintain access to public lands, provide firefighter training, support rural volunteer fire departments, staff national incident management teams, distribute grant funding for communities and reforestation. This is only a short list of what we do, but it does give one a sense of the type of work we do in the Division. I am proud of a staff that continues long-range planning and dedication in serving the citizens of the State of Utah.



Dick Buehler, State Forester, Division Director

Forestry, Fire & State Lands Advisory Council

Tom Tripp

Box Elder, Salt Lake, Davis, Weber and Tooele Counties

Corey Milne

Box Elder, Salt Lake, Davis, Weber and Tooele Counties

Steve Lutz

Box Elder, Salt Lake, Davis, Weber and Tooele Counties

D. Robert Carter

Utah County

Jack Troyer

State-at-Large

Frederick Baker, Jr.

State-at-Large

Dwight Bunnell

State-at-Large

J. Kent Taylor

State-at-Large

Nat Frazer

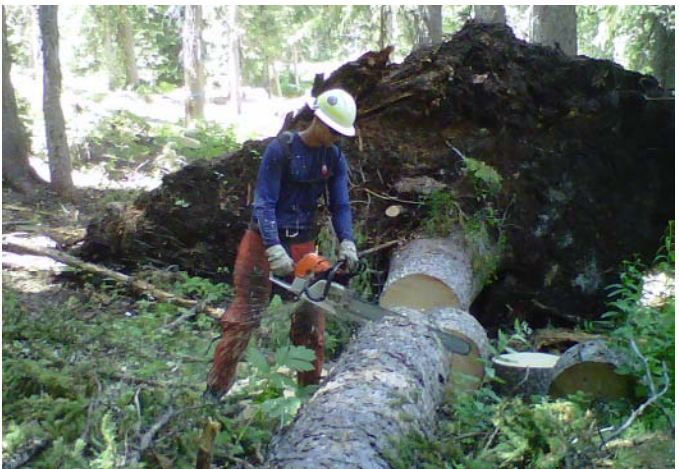
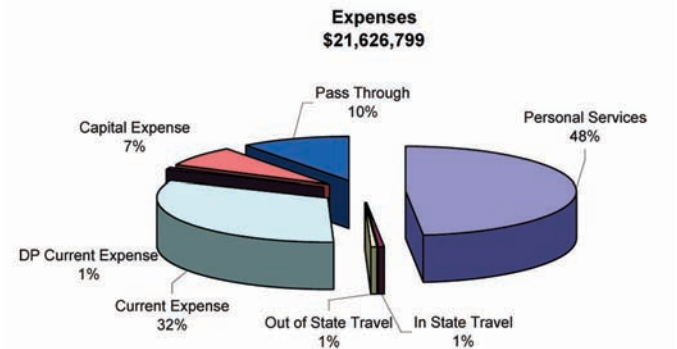
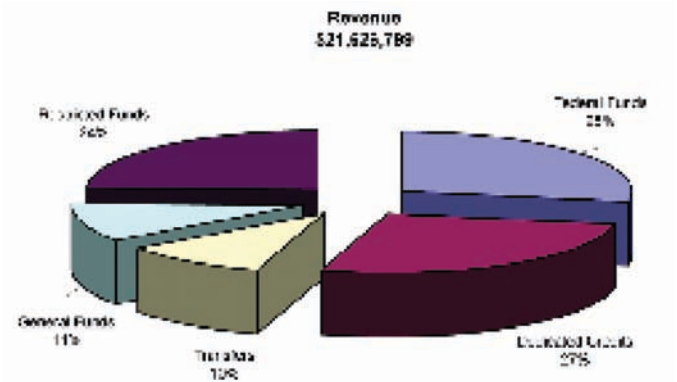
State-at-Large

Norman Weston

Rich County

Financials

**Fiscal Year Ending
June 30, 2011**
(Unaudited)



A firefighter cutting up downed timber as part of a project designed to control spruce beetles in Big Cottonwood Canyon

2010-2011 Highlights

Utah had modest wildfire activity in the early part of the 2011 fire season. As a result, the Division kept fire resources busy assisting in other states. The states of Arizona, New Mexico, Texas, Georgia and Florida contracted more than 50 state fire personnel to work on incidents too numerous to handle with their own resources. During Utah's severe fire seasons, these states sent staff to Utah in the same spirit of interagency cooperation.

Utah's Forest Legacy Program successfully completed the 2,590 acre South Fork Ranch conservation easement in Summit County. This was possible because of numerous partners including the USDA Forest Service, The Trust for Public Land, the Eastern Summit County Agricultural and Open Space Fund, the Endangered Species Mitigation Fund and the Utah Quality Growth Commission-LeRay McAllister Fund. Total Forest Legacy acres - 67,104.

The Division has initiated a revision of the Great Salt Lake Comprehensive Management Plan and Mineral Leasing Plan to provide management direction for protection and use of Great Salt Lake resources below the meander line. The planning process began in February 2010 and is scheduled to conclude with a Record of Decision in February 2012.



Fire fighters burn invasive Russian Olive trees that were cut as part of a hazardous fuels/invasive species control project along the Jordan River

77 Utah communities were recognized as a Tree City USA: 7 new Tree City USA's were acknowledged. Together with partners (TreeUtah, Utah Community Forest Council and Utah Society for Environmental Education) FFSL has effectively reached a diverse audience, providing critical forestry support and technical assistance for the forest resource that surrounds over 80% of the State's population.

To compliment residents' efforts to thin vegetation around their homes, the Southwest Area is placing strategic fuel breaks throughout the community of Bumblebee. These treatments are providing a break in the continuous fuels found in the area. These treatments help to reduce large scale wildfires. This effort is occurring on the private lands and ties directly to other federal agencies fuel reduction efforts. Coordination of landscape level treatments is the result of participation in the Color Country Interagency Fuels Committee.

2010-2011 Highlights (cont.)

Foresters in the Wasatch Front Area began a program to address a recent outbreak of beetles in the high-value spruce trees of Big Cottonwood Canyon. The effort is aimed at educating landowners and lessees on how to identify and take action against spruce beetle infestation. Staff has begun marking the infested trees, and in order to kill the beetles, the trees will be cut and split into firewood by division fire crews. Educating the public and catching the outbreak early is expected to greatly minimize the extent of the infestation.

The Ready, Set, Go! program was brought to Sandy City, Utah in 2010 as part of national pilot program aimed at preparing residents for wildfire. Due to the success of the program in Sandy, the pilot program was rolled out nationally in 2011. As part of that rollout, Woodlands Hills, Lehi and Salt Lake City fire departments all received training to instruct them on how to deliver the program within their jurisdictions. Currently there are four other fire departments within the state receiving training to prepare their communities to be READY for wildfire SET to evacuate and trained to GO early if a wildfire prompts evacuations.



The division trained and certified 2,349 basic and 195 advanced Utah firefighters to fight wildland fire (numbers include firefighter re-certifications). Also, the Division continued its program of annual wildland engine workshops with five engine workshops offered statewide. Workshops focused on training, both classroom practical, in wildland/urban interface fire suppression tactics. The training results in safer and more efficient initial attack of wildland fires by local fire department resources.

The Division distributed \$63,000 in grants to Utah communities for urban forestry projects including tree planting, arborist training, public awareness campaign and hazard tree mitigation; these grants leveraged over \$130,000 in matching contributions.

2010-2011 Highlights (cont.)

Less active fire seasons like 2010 present opportunities for fire managers to increase fuels mitigation efforts. Prevention and mitigation is a way to be proactive when managing wildland fires. By reducing hazardous fuel buildups in and around areas at high risk to wildfires, we can prevent or reduce the affects of wildfires when they occur. The Division implemented 59 prescribed fire projects for 1263 acres and completed an additional 2057 acres of hazardous fuels reduction projects.



Firefighters take a moment to read cards and letters from residents whose homes were saved during the Machine Gun Fire

623 wildfires burned 60,544 acres across the state. 45,216 of those acres could be attributed to a single fire; the Twitchel Canyon fire. The Twitchel Canyon fire was an USFS fire managed for multiple objectives, i.e. the fire was allowed to burn naturally in some areas and actively suppressed in others. The incident lasted more than two months, utilized two different Great Basin type 2 incident management teams, and created smoke management, interstate traffic and other public safety issues. The total number of fires was slightly below the ten year average of 743 and the number of acres burned was well below the ten year average of 173,691. Excluding the Twitchel Canyon fire, the number of acres burned was the lowest in 17 years. 56% of last year's fires were caused by human activity.

Services and Functions

Sovereign Lands

Administers private, public and commercial uses of state owned lakebed and riverbed lands in accordance with public trust doctrine.

Forest Stewardship/Agro Forestry

Assists private landholders in managing resources. Services include developing management plans along with timber marking, windbreaks, water quality, wildlife habitat improvement and financial assistance to implement resource management plans.

Urban and Community Forestry

Urban foresters provide technical and financial assistance to cities and towns for tree plantings. Promote the benefits of trees in all Utah communities.

Wildland Fire Protection

Provides wildland fire prevention and protection on Utah's unincorporated private lands. Includes wildland fire suppression training and fire equipment grants to community and volunteer fire departments.

Lone Peak Conservation Center

Provides trained crews to fight wildland fires, complete natural resource projects and work on the state conservation projects.

Regional Offices

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Bear River Area

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Lone Peak

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Utah Division of Oil, Gas & Mining (DOGM)



Mission Statement

"Division of Oil, Gas and Mining regulates and ensures industry compliance and site restoration while facilitating oil, gas and mining activities."



Coal Program Environmental Scientist taking water sample at White Oak reclaimed mine site. Photo by Priscilla Burton

Utah Division of Oil, Gas & Mining

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L to R: Jim Springer, Dana Dean, John Rogers, Paula Dupin-Zahn, Steve Schneider, Luci Malin, John Baza, Julie Ann Carter

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Division Director's Message

The Division of Oil, Gas and Mining staff strives daily to facilitate the development of Utah's mineral, coal, oil and natural gas resources in an environmentally responsible manner. While some decry the use of our natural resources, the simple fact is that our society cannot function without them. It is in the best interests of each and every citizen that staff members ensure compliance with current mining laws. And, while modern law ensures that mined lands are returned to useful purposes, that was not always the case. Environmental scientists in our Abandoned Mine Reclamation Program continue to close old mines that present a safety hazard to unwary explorers. From petroleum engineers to hydrologists, from environmental scientists to office and administrative specialists, we are DNR.



John R. Baza – Director



*Energy company conducting geologic testing in search of natural gas and petroleum.
Photo by Ted Smith*



(L to R) Carl F. Kendell, Chris D. Hansen, James T. Jensen (Chair), Jake Y. Harouny, Ruland J. Gill, Kelly L. Payne. Not pictured, Jean Semborski

Board of Oil, Gas & Mining

James T. Jensen, Chair
Mineral and Royalty Interests, Salt Lake City

Kelly L. Payne
Mining, Salt Lake City

Jake Y. Harouny
Oil and Gas, Salt Lake City

Ruland J. Gill, Jr.
Oil and Gas, Salt Lake City

Carl R. Kendell
Geology, Salt Lake City

Jean Semborski
Ecology and Environment, Price

Chris D. Hansen
Mining, Highland

Julie Ann Carter, Board Secretary
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Regional Offices

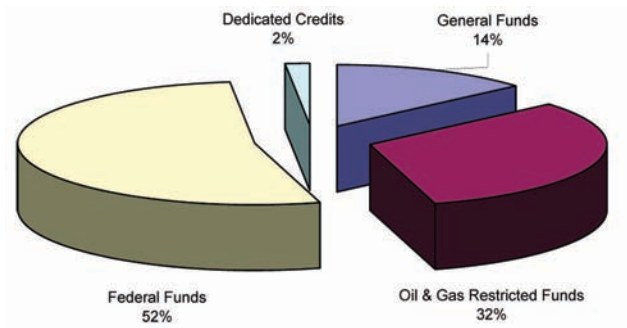
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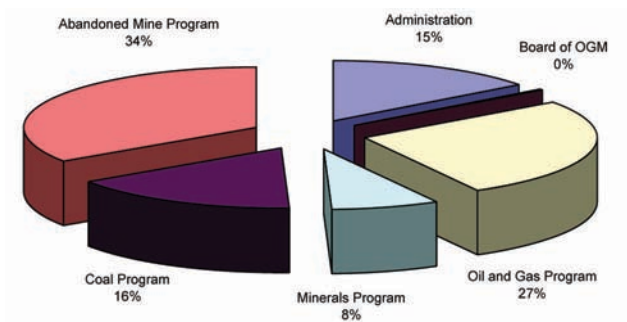
Financials

**Fiscal Year Ending
June 30, 2011
(Unaudited)**

**Revenues
\$10,371,400**



**Expenses
\$9,821,500**



**Excess of Revenues Over Expenses
\$549,900**

Non-lapsing	\$104,200
Lapsing to restricted fund	\$445,700

2010-2011 Highlights

Oil and Gas Program

As the economy continues to right itself activity in Utah's oil and gas fields has displayed some improvement. The number of Applications to Drill made a modest gain during this fiscal year to 1,154, compared to 1,035 the previous year. The number of wells actually begun also showed a moderate increase from 721 to 940. Oil production during calendar year 2010 continued its upward trend, most likely due to the price of oil and technological improvements in production methods. More than 24.6 million barrels of oil were produced in 2010 compared to just under 23 million barrels the prior year. Meanwhile, natural gas production fell from almost 450 billion-cubic-feet in 2009 to about 437 billion cubic feet in 2010. Coalbed methane continued its downward trend from 2009's 60.7 billion cubic feet to 54.8 billion cubic feet in 2010. There are currently more than 9,800 producing oil and gas wells in the state. Division of Oil, Gas and Mining field inspectors conducted more than 5,761 inspections at well sites during 2010.



Division Petroleum Engineer examines an "orphan well" prior to reclamation.

Photo by Helen Sadik McDonald

Coal Program

During the last fiscal year the Coal Program staff oversaw 36 permitted coal sites: 11 active mines, two active processing plants, five reclaimed mines, seven mines in temporary cessation, two mines and two load-outs in inactive status and seven forfeiture sites.

Staff processed 89 amendments of which 53 were approved and renewed six permits. One new permit was issued to Alton Coal Development's Coal Hollow mine and one new mine application was approved for the Kinney #2 mine. Staff also conducted 11 midterm reviews and conducted 368 inspections and technical visits. Fourteen violations were issued during mine inspections. The staff also processed 3 permit transfer applications, 7 exploration notices of intent and 117 water monitoring reports.

2010-2011 Highlights (cont.)



Environmental Scientist from Abandoned Mine Reclamation Program inventories one of more than 16,000 abandoned mine sites in Utah. Photo by Tony Gallegos

Minerals

From July 1, 2010, to June 30, 2011, the Minerals Regulatory Program conducted 371 mine site inspections and issued 18 cessation orders or notices of violation. During that period, 459 permitting actions were completed. The program oversees 667 mines and administers about 559 reclamation sureties totaling about \$131 million.

There has been an upsurge in exploration for potash, and uranium exploration has also increased. Increased oil and metal prices have led to increased interest in oil shale and tar sands, iron ore, copper, and gold. The building stone industry remains somewhat depressed along with the housing market, but mining of materials for road construction remains robust.



Energy company conducting geologic testing in search of natural gas and petroleum. Photo by Ted Smith

2010-2011 Highlights (cont.)

Abandoned Mine Reclamation

As many as 16,000 abandoned mines are scattered throughout Utah, each a potential death trap for an unwary visitor. The Abandoned Mine Reclamation Program (AMRP) identifies and safeguards hazards that pose the greatest danger to the public. During FY-11, the AMRP closed 325 mine openings in Juab, San Juan and Utah counties, employed 47 citizens and distributed more than \$1,500,000 in contracts. The AMRP documented the mining heritage of sites in Beaver, Carbon, Emery, Uintah, and Summit counties that were an important part of Utah's history and economic development prior to engineering closure designs.

As part of the AMRP's ongoing public outreach and education program almost 18,000 workbooks, videos, pencils, posters and calendars with educational messages were distributed to Utah's elementary school students. Staff and volunteers attended nine public events throughout the state. Snowbird Ski & Summer Resort, Rio Tinto, Utah Division of Parks and Recreation, Utah Mining Association and the National Energy Foundation partnered with the AMRP to produce the "Abandoned Mines Are Dangerous Stay Out and Stay Alive" calendar which is created from a poster contest for 4th graders. More than 300 students entered their artwork and the winning posters will be featured in the 2012 abandoned mine safety awareness calendar.

Board of Oil, Gas and Mining

Each year the Board of Oil, Gas and Mining recognizes companies or individuals who exceed regulatory requirements while developing essential natural resources. Recipients of 2011 Earth Day Awards are: Interpace Holdings, LLC; Newfield Exploration and Production Co.; and Simplot Phosphates, LLC.

Services and Functions

Oil and Gas Program

Permits, inspects and monitors oil and gas wells throughout the state. Also, collects, processes, audits and maintains information on ownership, production, disposition and status of oil and gas exploration and production wells and facilities.

Coal and Mineral Permitting

Issues permits to coal and mineral mining operations to ensure their compliance with surface environmental laws and regulations.

Injection Wells and Disposal Facilities

Permits and inspects injection and disposal wells and surface water disposal pits. Water is forced into injection wells to aid recovery of additional oil assets. Disposal wells are usually depleted wells and used to store unusable water underground. The division enforces regulations concerning disposal of produced water and wastes from oil and gas exploration and production.

Appeals

Provides first level of administrative appeal to public on minerals, coal and oil and gas projects when there are objections.

Abandoned Mine Reclamation

Protects public health, safety and environment from unpermitted abandoned mine problems. Provides information to schools on hazards of abandoned mines.

Utah Division of State Parks & Recreation (USPR)



Mission Statement:

“Division of State Parks and Recreation preserves and provides natural, cultural and recreational resources for the enjoyment, education and inspiration of this and future generations.”



DNR Deputy Director Darin Bird, Utah State Parks Director Mary Tullius, Deputy Director Karen Krieger, and Heritage Resources-Outreach Coordinator Justina Parsons-Bernstein join Governor Gary Herbert as he signs the No Child Left Inside declaration recognizing the Utah State Parks Rockin' Utah Program

Utah Division of State Parks and Recreation

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*L to R: Fred Hayes, Mary Tullius, Deena Loyola, Wendy Wack,
Karen Krieger, Scott Strong*

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Karen Krieger – Deputy Director

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Wendy Wack – Administrative Assistant

801-538-7418

wendywack@utah.gov

Division Director's Message

We are DNR. This year brought much unity and collaboration within the Department of Natural Resources. State Parks and Recreation continues its partnership with the Division of Wildlife Resources on many projects, including our efforts to provide access to our state's fishing waters while preventing the spread of invasive species.

We appreciate the work of the Divisions of Water Rights, Water Resources, Geological Survey, Oil, Gas and Mining, and Forestry, Fire and State Lands for their assistance regarding state parks, lands, trails and waterway management issues.

On a personal note, we are grateful for the outpouring of support from all our Department colleagues when one of our rangers was shot and critically wounded in the line of duty last November. In a time of crisis and need, we saw the people of DNR show tremendous generosity and compassion.

- Mary Tullius, Director



Director Mary Tullius (second from right) presents the Utah State Park Road Trippers with an Annual Pass

BOARD OF UTAH STATE PARKS

Kim Schappert
Emery, Carbon, Grand and San Juan counties

Marty Ott, Vice Chair
Kane, Garfield, Piute, Sevier, Sanpete and Wayne counties

Eli Anderson
Box Elder, Cache and Rich counties

Tom Guinney
Salt Lake, Tooele and Summit counties

Lois Bulloch
Beaver, Iron and Washington counties

Jaren Davis
State-at-Large

Glenn Greenhalgh
Utah, Juab, Wasatch and Millard counties

Vacant
Uintah, Daggett and Duchesne counties

Joseph Hull
Davis, Morgan and Weber counties

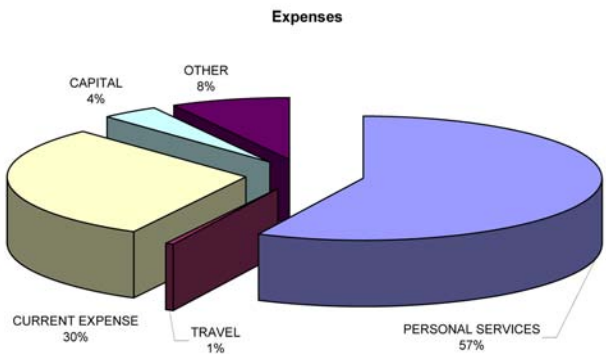
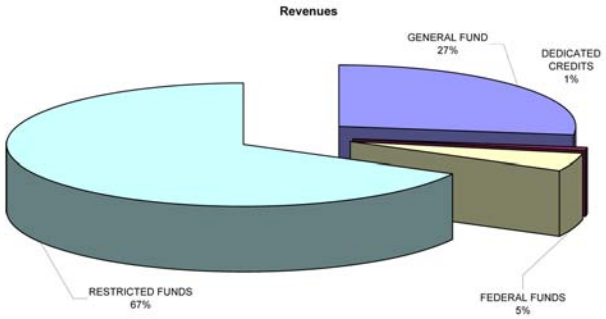
Wendy Wack
Administrative Assistant
801-538-7418



Paddleboard clinic at Jordanelle State Park

Financials

**Fiscal Year Ending
June 30, 2011
(Unaudited)
\$30,710,614**



Horseback riding at Snow Canyon State Park

2010-2011 Highlights

- Hosted more than 4.8 million visitors, an increase of two percent over the previous fiscal year. Visitors discovered beauty and history in Utah's 43 state parks and museums.
- Worked with the Veterans Administration and Board of Utah State Parks to develop and offer a discounted annual pass to Utah's disabled veterans.
- Partnered with county tourism and economic development offices in Cache, Davis, Emery, Iron, Millard, San Juan, Sanpete, Wasatch, Washington and Uintah counties to market destinations, events and activities.
- Supported and hosted the Utah State Parks Road Trip. Six private citizens visited all 43 state parks in 72 hours to raise awareness about budget cuts and the importance of the state park system.
- Educated 26,296 school children who visited state parks and museums on field trips and special programs, and 12,000 children learned through outreach education programs brought to their classrooms.
- Partnered with the Bureau of Reclamation to develop and construct new day-use and camping facilities at Starvation State Park.
- Provided 1,521 education programs attended by more than 75,000 visitors in state parks and museums. Topics ranged from pioneer history and American Indian arts, to Junior Ranger hikes and history camps.
- Helped develop and coordinate Friends Groups at Snow Canyon, Fremont Indian and Rockport state parks. The Division has 10 Friends Groups to assist with advocacy, fundraising and special projects.
- Hosted almost 8,000 children who participated in day camps, Junior Ranger programs and education workshops learning about Utah's history, geology and other natural wonders.
- Worked with the Friends of Utah State Parks, a non-profit advocacy group, which helps build community support and awareness for agency infrastructure and facility needs.

2010-2011 Highlights (cont.)

- Emphasized the importance of life jacket use and boater education to protect public safety and property. Utah's boating program also licensed more than 740 outfitters, guides and boat rental liveries.
- Committed to the safety of all off-highway vehicle (OHV) riders, the Utah OHV education program certified 2,799 Utah children over the past year.
- Coordinated with the Bureau of Land Management to map and sign the Orange Trail in southeastern Utah.
- Recruited 104,010 hours in volunteer service, an increase of 11,510 hours. Volunteers greet park visitors, maintain park facilities and trails, provide interpretation, and serve as campground hosts.
- Celebrated Great Outdoors Month as Governor Gary Herbert and all 49 governors nationwide declared June as Great Outdoors Month. Utahns were encouraged to explore all Utah has to offer.
- Entered into an agreement with the U.S. Forest Service, Bureau of Land Management, Utah School and Institutional Trust Lands Administration, Division of Wildlife Resources and Tread Lightly to promote a statewide off-highway vehicle Ride On! awareness campaign.
- Offered the Check It Out program, helping Utah families explore state parks and museums. For a third year, Utah State Parks provided free Annual Passes for check out from nearly 80 Utah libraries.
- Developed an ATV rodeo series geared toward Utah youth to promote safety, technical riding skills, and the importance of wearing proper protective gear.
- Launched the Ride On! Video Contest with Utah School and Institutional Trust Lands Administration and Larry H. Miller Group. Utah students created their own videos promoting safe and ethical ATV riding on Utah's public lands.
- Developed comprehensive business plans for all Utah state parks to identify revenue-producing opportunities.

2010-2011 Highlights (cont.)

- Groomed and maintained more than 25,000 miles of snowmobile trails on nine snowmobile complexes during the winter season.
- Certified more than 1,000 Utah children through Utah's boating education program.
- Expanded the Children in Nature - Rockin' Utah program. Now in its fourth year, this program aims to get children and their families away from televisions and computer screens, and discovering healthy, outdoor activities such as canyoneering, fishing and kayaking.
- Committed to public safety and resource protection, Utah boating rangers logged more than 48,315 boating safety and search and rescue hours, checked almost 4,000 boats for safety equipment, and assisted or rescued more than 500 stranded boaters.
- Focused on excellent customer service and technology, the Division is providing more services online at stateparks.utah.gov, offering an iPhone application and continuing social media efforts.
- Constructed and opened new cabins at Jordanelle, Wasatch, Yuba, East Canyon and Hyrum state parks.
- Dedicated to its employees, Utah State Parks provides management and leadership skills training.



The Utah State Parks Road Trip arrives at Goblin Valley State Park

Services and Functions

Operations

Manages Utah's state park system, which includes operations, planning, and protection of 43 heritage, scenic and recreation parks.

Planning

Guides short and long-term site management and develops business plans to protect and interpret each park's natural and cultural resource base, ensure safe and enjoyable visitor experiences, provide for new visitor opportunities and develop and enhance facilities to meet visitor needs.

State Boating Act

Administers the State Boating Act on Utah waters, which includes safety, education, search and rescue, and enforcement.

Off-Highway Vehicles

Administers summer and winter off-highway vehicle programs, including education, trail maintenance, grant programs, user compliance, accident investigation, and search and rescue.

State Trails Program

Protects, interprets, develops and maintains recreational trail resources within state parks, and provides coordination, funding and technical assistance on statewide trail projects.

Grant Programs

Administers Land and Water Conservation Fund, non-motorized and motorized trails grant programs.

Regional Offices

North Region

Jeff Rasmussen, Region Manager
1084 North Redwood Road
Salt Lake City, UT 84116-1555
801-533-5127

Southeast Region

Tim Smith, Region Manager
1165 South Highway 191, Ste.7
Moab, UT 84532-3062
435-259-3750

Southwest Region

Larry Gray, Region Manager
585 North Main Street
Cedar City, UT 84720-2643
435-586-4497

State Parks and Museums

Anasazi State Park Museum
Mike Nelson, Park Manager
435-335-7308

Antelope Island State Park
Jeremy Shaw, Park Manager
801-773-2941



*Snow Canyon State Park
Photo: Michael Vanden Berg*

Bear Lake State Park
Richard Driesbeke, Park Manager
435-946-3343

Camp Floyd/Stagecoach Inn State Park and Museum
Mark Trotter, Park Manager
801-768-8932

Coral Pink Sand Dunes State Park
Michael Franklin, Park Manager
435-648-2800

Dead Horse Point State Park
Megan Blackwelder, Park Manager
435-259-2614

Deer Creek State Park
Rick Redmon, Park Manager
435-654-0171

East Canyon State Park
John Sullivan, Park Manager
801-829-6866

State Parks and Museums (cont.)

Edge of the Cedars State Park Museum
Teri Paul, Park Manager
435-678-2238

Escalante Petrified Forest State Park
Kendall Farnsworth, Park Manager
435-826-4466

Flight Park State Recreation Area
Bob Rosell, Park Manager
801-533-5127

Fremont Indian State Park & Museum
Bob Hanover, Park Manager
435-527-4631

Frontier Homestead State Park Museum
Todd Prince, Park Manager
435-586-9290

Goblin Valley State Park
Eugene Swalberg, Park Manager
435-564-3633

Goosenecks State Park
Teri Paul, Park Manager
435-678-2238

Great Salt Lake State Marina
Bob Rosell, Park Manager
801-250-1898

Green River State Park
Eugene Swalberg, Park Manager
435-564-3633

Gunlock State Park
Laura Melling, Park Manager
435-628-2255

Historic Union Pacific Rail Trail State Park
Mountain Trails Foundation
435-649-6839

Huntington State Park
Dan Richards, Park Manager
435-687-2491

Hyrum State Park
Chris Haramoto, Park Manager
435-245-6866

State Parks and Museums (cont.)

Jordan River OHV State Recreation Area
David Wagner, Park Manager
801-533-5424

Jordanelle State Park
Laurie Backus, Park Manager
435-649-9540

Kodachrome Basin State Park
Aaron Farmer, Park Manager
435-679-8562



Youth groups build pioneer cabins at Territorial Statehouse State Park Museum

Millsite State Park
Dan Richards, Park Manager
435-687-2491

Otter Creek State Park
Bob Hanover, Park Manager
435-624-3268

Palisade State Park
Shon Tripp, Park Manager
435-835-7275

Piute State Park
Bob Hanover, Park Manager
435-624-3268

Quail Creek State Park
Jon Wikan, Park Manager
435-879-2378

Red Fleet State Park
Mike Murray, Park Manager
435-789-4432

State Parks and Museums (cont.)

Rockport State Park
Joseph Donnell, Park Manager
435-336-2241

Sand Hollow State Park
Laura Melling, Park Manager
435-680-0715

Scofield State Park
Dan Richards, Park Manager
435-448-9449

Snow Canyon State Park
Kristen Comella, Park Manager
435-628-2255

Starvation State Park
Mike Murray, Park Manager
435-738-2326

Steinaker State Park
Mike Murray, Park Manager
435-789-4432

Territorial Statehouse State Park Museum
Carl Camp, Park Manager
435-743-5316

This Is The Place Heritage Park
Private Foundation Director
801-582-1847

Utah Field House of Natural History State Park Museum
Steve Sroka, Park Manager
435-789-3799

Utah Lake State Park
Ty Hunter, Park Manager
801-375-0731

Wasatch Mountain State Park
Bruce Strom, Park Manager
435-654-1791

Willard Bay State Park
Wayne Monroe, Park Manager
435-734-9494

Yuba State Park
Jeff Rasmussen, Park Manager
435-758-2611

Utah Division of Water Resources (UDWRe)



Mission Statement:

"Division of Water Resources plans, conserves, develops and protects Utah's water resources."



*Lee Sporleder, Dave Marble, Everitt Taylor, Ana Vargo
and Bill Leeflang confer on a project*

Utah Division of Water Resources

1594 W. North Temple, Suite 310

PO Box 146201

Salt Lake City, UT 84114-6201

801-538-7230

801-538-7279 (fax)

www.water.utah.gov



L to R: Todd Adams, Eric Millis, Dennis Strong, Barbara Allen, Jim Egbert

Executive Team

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Jim Egbert - Budget Officer

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Division Director's Message

We at Water Resources are proud of the role we are able to play in the planning, conservation, development, and protection of Utah's water resources. This past year, we have experienced a major loss with the passing of our friend and dedicated water resource advocate D. Larry Anderson. Larry was our former Director, and his death has caused me to reflect on the traditions and direction that have become hallmarks of the Division of Water Resources. One is that of cooperation and partnership. Over the years, we have seen great things done because people were able to work together. Inside the Department of Natural Resources this ethic has been demonstrated by divisions working together for the good of other agencies, as well as being a way to succeed in their individual missions. We are pleased that we have been able to provide engineering services to several other DNR divisions, and we have also been the beneficiary of assistance from them. Best of all, we have worked in partnership on special projects, technical studies, and reports where the expertise and stewardship of all have been part of producing plans that weave the values of all into solutions that work for our natural resources.



I am particularly proud of the employees at the Division of Water Resources and for our part in working with the other dedicated employees of the Department of Natural Resources.

- Dennis Strong, Division Director

Board of Water Resources

Robert D. Bessey, Chair
Millard, Sanpete, Sevier, Piute, Wayne counties

J. Stewart Paulick, Vice-Chair
Salt Lake, Tooele counties

Craig E. Johansen
Carbon, Emery, Grand, San Juan counties

Blair R. Francis
Box Elder, Cache, Rich counties

Steve Farrell
Utah, Juab, Wasatch counties

N. Gawain Snow
Daggett, Duchesne, Uintah counties

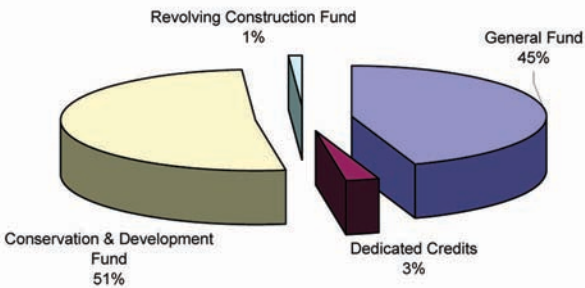
David S. Humphreys
Weber, Davis, Morgan, Summit counties

James A. Lemmon
Beaver, Garfield, Iron, Washington, Kane counties

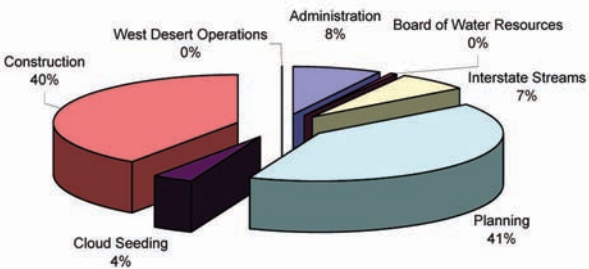
Financials

**Fiscal Year Ending
June 30, 2011
(Unaudited)
\$5,483,400**

Revenue



Expenses



2010-2011 Highlights

- Continued preconstruction activities on the Lake Powell Pipeline and Bear River Development projects.
- The board loaned \$9.2 million for 21 water projects.
- Published three special studies: “2009 Residential Water Use”, “Residential and Municipal Water Use in Utah”, and “The Cost of Water in Utah: Why Are Our Costs So Low?”
- Collected water-related land use data for the Sevier River Basin. Published the land use inventory studies for the Utah Lake, Jordan River, Bear River, and Sevier River basins.
- Two dam safety compliance grants totaling \$429,000, and two bond insurance grants totaling \$107,000 were given.
- The Colorado River Basin States, U.S. State Department, International Boundary & Water Commission, and the Country of Mexico are meeting to discuss expanding cooperative management of the Colorado River to include uses in Mexico - a historic effort that has major and long-term impacts for both countries.

Services and Functions

Development and Conservation Funds

The Board of Water Resources administers three state water development and conservation funds.

Technical Assistance

Provides technical water development and planning assistance to Utah water users.

Water Planning

Maintains the State Water Plan, which describes Utah's current and long-term water related needs. Inventories municipal and industrial water use and water-related land use. Performs water use studies.

Computer Applications

Develops Geographic Information System applications, water demand/supply and hydrologic models.

Interstate Streams

The division director is Utah's interstate streams commissioner, helping defend and protect Utah's right to develop and use its entitlements in the Colorado and Bear rivers.

Cloud Seeding

Promotes cloud seeding to augment natural snow pack.

Water Education/Conservation

Works with local water agencies, individuals and professional groups in developing and implementing water conservation programs to reduce per capita water use in Utah by at least 25 percent before 2050. Develops and distributes water education instructional materials to teachers and students in Utah's public schools.



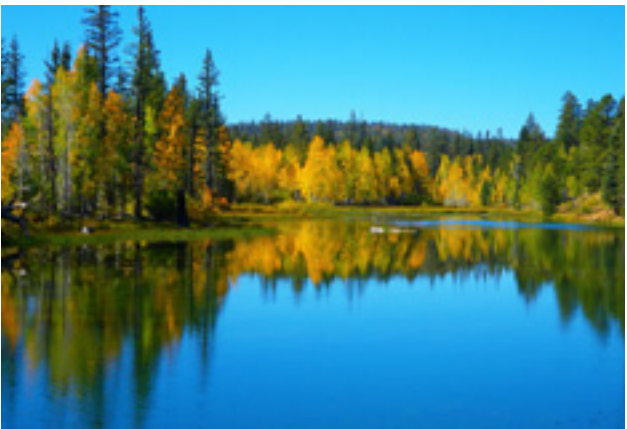
Davis and Weber Canal Company diversion on the Weber River, June 2011

Utah Division of Water Rights (DWRi)



Mission Statement:

“Division of Water Rights promotes order and certainty in administering the beneficial use of Utah’s water.”



*“Tranquility” Aspen Mirror Lake/Duck Creek
Photo: Dennis Carroll*

Utah Division of Water Rights

1594 W. North Temple, Suite 220

PO Box 146300

Salt Lake City, UT 84114-6300

801-538-7240

801-538-7467 (fax)

www.waterrights.utah.gov



*L to R: Dave Marble, Boyd Clayton, Jared Manning, John Mann,
Marianne Burbidge, Kent Jones, James Greer*

Executive Team

Kent Jones - State Engineer/Director

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Records

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Marianne Burbidge - Admin. Secretary/Legislative Liaison

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Division Director's Message

We are DNR! This year has been filled with many exciting water related events. Record-breaking snowfall and peak runoff marked an unusual spring with rivers flowing over their banks and sandbags being filled to prevent damage as the rivers sought new courses to move the extreme amounts of water from the mountains to the valley floors below. Press releases were made to alert the public to the possibility of regulating the gates on Utah Lake because of the high flows. Emergency authority was secured to limit flows through Oakley, Utah if needed. Cooperation with other agencies worked well as the high flows were ushered down and state engineer intervention was not required. Although some flooding problems occurred, things could have been much worse without cooperation and some remarkable runoff weather. Water supplies look good and repair work is being completed to address problems created by the high runoff.



Discussions are continuing with the Navajo Nation and the Ute Tribe to arrive at a settlement on Federal reserved Indian water rights. We are encouraged with the progress, especially with the Navajos. A settlement agreement was signed this year for Natural Bridges National Monument. Discussions are continuing with Arches National Park to come to agreement on the quantification of their rights. Critical issues in the state involving nuclear power development and endangered fish flows continue to require our focus as we work to a reasonable solution to address future needs.

Utah Supreme Court decisions released this year will present some interesting challenges in reviewing and processing applications. An Executive Water Task Force produced helpful suggestions to update water laws, resulting in seven bills the legislature enacted. I anticipate Task Force contributions this year will be similarly effective. It was another anxious legislative budgeting cycle as a slow economy dampened state revenue projections and the legislature considered deep cuts. In the end legislative support was outstanding.

Although new workload has diminished somewhat with the downturn in the economy, we are still very busy processing applications. We have been able to make significant reductions in application backlogs. Accolades go to the staff for their continued efforts in helping us be successful in meeting our objectives. The Division has a great staff and I am proud of their efforts. Many tough issues lay ahead of us. I am confident that our staff will be able to meet the challenges placed before them and I am looking forward to the excitement of the coming year.

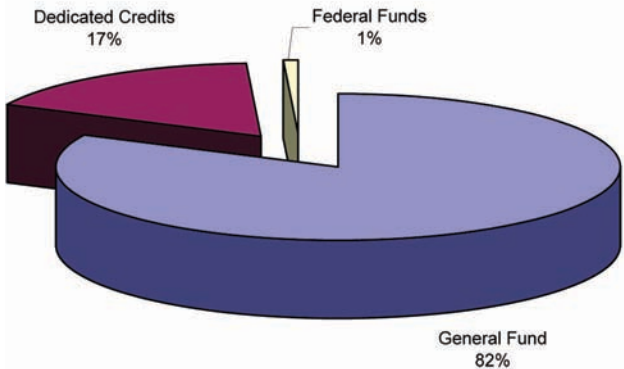
Kent Jones, State Engineer/Division Director

Financials

**Fiscal Year Ending
June 30, 2011
(Unaudited)**

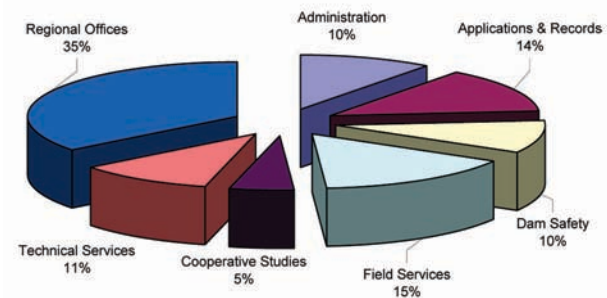
**Revenue
\$8,738,000**

Revenue



**Expenditures
\$8,287,000**

Expenses



Non-Lapsing Funds

There was a total of \$451,000 in Non-Lapsing Funds of which 67% was General Fund and 33% was Dedicated Credit.

2010-2011 Highlights

- Heavy rainstorms December 2010 resulted in damage to South Creek (Springdale) and Baker Dams. Construction to repair Baker Dam has been completed. Plans to rehabilitate South Creek Dam are under review. Construction is anticipated for Fall 2011.



- Plans were approved for construction of M&S Dam and the Centerville Debris Basin. Construction of the Centerville Debris Basin was completed while construction continues on Jackson Flat and Upper Hunting dams. Reconstruction of Wide Hollow Dam in Escalante was completed.
- Plans for the Adobe Wash Dam in Orangeville and the Magnum Energy Evaporation ponds near Delta are under review.



- State Engineer and Division recognized by Rural Water Association of Utah.
- Published Proposed Determination of Water Rights in Tooele Valley (Book 15-4).
- Updated well drilling rules to include regulation of pump installers and pump rig operators.
- Licensed six new well drillers, 44 new drill rig operators, nine new pump installers, and 15 new pump rig operators.
- 36 Enforcement referrals investigated; 17 processed for agency action; five actions finalized by consent order.

2010-2011 Highlights (cont.)

- Automated measurement systems were installed on Mill Creek and Pot Creek.
- Division web site featured improvements including online forms and Google map interactive viewers.



- Initiated review of the Northern Utah Valley policy. Review of Morgan Valley groundwater policy was completed.
- Participated in the development and implementation of the Utah Work Plan for Green River Flow Protection for Endangered Fishes.



- In FY2011 the division acted on:

399	Applications to Appropriate
966	Change Applications
52	Exchange Applications
241	Nonuse Applications
1184	Extension Requests
1242	Certificates of Beneficial Use
340	Stream Alteration Permits
2925	Reports of Conveyance
292	Dam Safety Inspections
166	Proposed Determination Claims
7807	State Engineer Actions

Services and Functions

Water Right Applications (John Mann)

Process water right applications and maintain permanent records for all water rights in state. Assist the public to access water right information and complete application forms required by the agency.

Distribution and Measurement of Water (Jared Manning)

Oversee water commissioners where the agency is directly involved in the daily distribution of water among water right holders.

Adjudication (Blake Bingham)

Present to the district court a proposed determination of water rights within hydrologic areas of the state where such investigations have been ordered by the court and obtain an adjudication order decreeing those water rights.

Dam Safety (Dave Marble)

Physically inspect and monitor operation of public and private dams, approve new dam construction, consult and approve dam upgrades and intervene in emergencies. Inspections and monitoring efforts are based on each dam's hazard rating for potential loss of life and property.

Stream Channel Alterations (Charles Williamson and Daren Rasmussen)

Process permits to alter the banks or beds of natural streams under terms of the Utah Code and a general permit from the US Army Corps of Engineers.

Geothermal (John Solum)

Process permits to use geothermal resources in the state. Inspect facilities and monitor pressure tests.

Well Drilling Regulations and Licensing (Jim Goddard)

Oversee licensing and regulation of water well drillers in the state.

Studies and Technical Services (James Greer)

Collect water resources data for surface, groundwater and use of water throughout the state. Perform studies to determine water availability and management alternatives. Support the integration of data automation technology in operations of the agency.

Enforcement (Kerry Carpenter)

Administer the division's water rights, dam safety and stream alteration enforcement program as authorized by statute and administrative rule. Investigate violations of Utah water right law and initiate actions which encourage compliance.

Regional Offices

NORTHERN REGIONAL OFFICE

Will Atkin, Regional Engineer
1780 N. Research Parkway, Suite 104
North Logan, UT 84341
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WEBER/WESTERN REGIONAL OFFICE

Ross Hansen, Regional Engineer
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Salt Lake City, UT 84114-6300
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UTAH LAKE/JORDAN RIVER REGIONAL OFFICE

Teresa Wilhelmsen, Regional Engineer
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teresawilhelmsen@utah.gov

SOUTHERN REGIONAL OFFICE

Kirk Forbush, Regional Engineer
130 N. Main Street
PO Box 664
Richfield, UT 84701-0664
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SOUTHWESTERN REGIONAL OFFICE

Kurt Vest, Regional Engineer
585 N. Main Street, Suite 1
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Cedar City, UT 84721-0506
435-586-4231
kurtvest@utah.gov

SOUTHEASTERN REGIONAL OFFICE

Marc Stilson, Regional Engineer
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Price, UT 84501
435-613-3750
marcstilson@utah.gov

EASTERN REGIONAL OFFICE

Bob Leake, Regional Engineer
State and County Building
152 E. 100 N.
Vernal, UT 84078-2126
435-781-5327
bobleake@utah.gov

Utah Division of Wildlife Resources (UDWR)



Mission Statement:

"Division of Wildlife Resources serves the people of Utah as trustee and guardian of the state's wildlife."



The Utah Division of Wildlife Resources takes hunters' concerns very seriously and is focused on improving deer-herd numbers. Over the past five years, the division has invested tens of millions of dollars to implement a comprehensive deer-management plan and to help our herds.

Photographer: Brent Stettler, Utah Division of Wildlife Resources

Utah Division of Wildlife Resources

1594 West North Temple, Suite 2110

PO Box 146301

Salt Lake City, Utah 84114-6301

801-538-4700

801-533-4709 (fax)

www.wildlife.utah.gov



*L to R: Cindee Jensen, Dean Mitchell, Jim Karpowitz, Thu Vo, Robin Thomas,
Alan Clark, Becky Johnson*

Executive Team

Jim Karpowitz - Director

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Alan Clark - Assistant Director

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Robin Thomas - Legislative Liaison

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Dean Mitchell - Conservation Outreach Section Chief

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Becky Johnson - Administrative Secretary

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beckysjohnson@utah.gov

Thu Vo - Executive Secretary

801-538-4705

thuvo@utah.gov

Division Director's Message

At the Division of Wildlife Resources, we serve the people of Utah by managing and protecting the state's wildlife and conserving wildlife habitat. Our employees are committed to a core set of values in their work with wildlife and the public:



- Integrity
- Professionalism
- Service
- Teamwork
- Listening
- Openness
- Accountability
- Civility
- Cooperation
- Stewardship

I am confident that you see these characteristics when you interact with our employees. We are listening to your concerns and doing everything we can to provide great hunting and fishing opportunities for you and your families.

This past year, we've continued our efforts to restore habitat, expand big game herds, catch poachers, control predators, produce fish, monitor for diseases and perform essential research. We're also working with dozens of public and private partners to conserve native species and prevent listings under the Endangered Species Act.

Whether you're a hunter, an angler or you simply enjoy watching wildlife, we encourage you to get involved. If you have strong feelings about a particular species, talk to your local biologists and attend your regional advisory council (RAC) meetings.

We care about Utah's amazing animals and enjoy hunting, fishing and watching wildlife as much as you do. With your continued support and involvement, we can work together to ensure a rich wildlife legacy for future generations of Utahns.

Jim Karpowitz – Division Director

Utah Wildlife Board



*Board members L to R: Del Brady, Thomas Hatch, Rick Woodard,
Bill Fenimore, Ernie Perkins and Jake Albrecht
Not pictured: Keele Johnson*

Rick Woodard, Chair
Provo/Central

Ernie Perkins, Vice Chair
Layton/Northern

Jake Albrecht
Glenwood/Southern

Del Brady
Vernal/Northeastern

Bill Fenimore
Farmington/Northern

Thomas Hatch
Panguitch/Southern

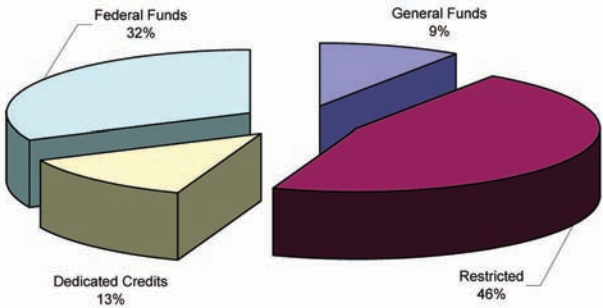
Keele Johnson
Blanding/Southeastern

Jim Karpowitz,
Executive Secretary

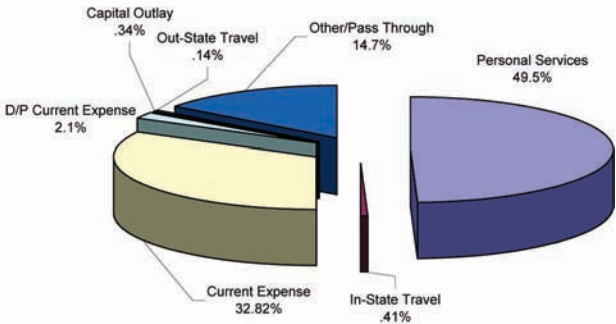
Financials

Fiscal Year Ending June 30, 2011
(Unaudited)
\$68,014,266

Revenue



Expenses



2010-2011 Highlights

Administration

- In FY 2011, the division made a concerted effort to educate the public about mule deer and to listen to individuals' concerns. Agency personnel held open houses and conducted range rides as part of this initiative. Regional offices gathered detailed feedback from hunters and landowners. The division's communication team distributed numerous deer-related news releases, produced a mule deer brochure, posted blogs, wrote in-depth articles and created a website focused solely on the state's mule deer populations. The website is online at <http://go.usa.gov/TsO>



Over the past five years, the division and its many partners have improved mule deer habitat on more than 600,000 acres, at a cost of more than \$70 million.

Photographer: Phil Douglass, UDWR

- It is an ongoing priority for the State of Utah to keep species from being listed as threatened or endangered under the federal Endangered Species Act. To achieve this goal, the division has partnered with government agencies, universities, conservation organizations, sportsmen's groups, private landowners and many others. Working together over the past six years, the partners have:
 - o Restored more than a million acres of Utah's watersheds
 - o Identified dozens of species of concern
 - o Developed conservation agreements to protect species on a local level
 - o Conducted extensive research and surveys to show that listing wasn't warranted
 - o Reintroduced species to their native ranges

The division has completed hundreds of projects statewide and benefited more than just the target species. This work also sustains agricultural development, improves water quality and enhances recreational areas.

- In FY 2011, the division's revenue decreased substantially due to cuts in federal funding, grants and other sources. As a result, the division reduced its FY 2012 budget by more than \$3.4 million. In planning for the budget cuts, the division implemented a soft hiring freeze and did not replace many employees who retired or left the agency. Division leadership also eliminated many temporary positions and asked a few employees to transfer into other areas.

2010-2011 Highlights (cont.)

Administrative Services

- In FY 2011, the division's licensing staff worked closely with disabled hunters and anglers to expand their hunting and fishing opportunities. As a result of these efforts, the division now offers discounted fishing licenses to disabled veterans. Division employees also contacted disabled hunters to discuss possible hunting season extensions. The extensions allow disabled hunters more time in the field when they do not have to compete with other hunters. Representatives of the disabled sportsmen community commended these efforts.
- To address budget challenges, employees in the division's financial workgroup rearranged job duties to complete required tasks with a smaller workforce. This meant that some employees were reassigned — and took on new, unfamiliar jobs — but they adapted successfully, ensuring that the team still provides great support to the division and public.



More than 1,200 children with special needs fished Salem Pond on May 10, 2011. Every year, the division works with many government and commercial partners — and hundreds of volunteers — to help kids bait hooks and catch fish.

Photographer: Scott Root, UDWR

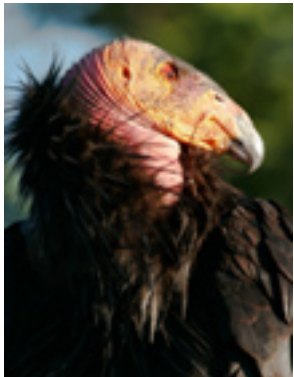
Aquatics

- Division employees finished restoring nearly two miles of riparian and in-stream habitat in the Strawberry River. This project was the final phase of a multi-year restoration effort.
- Employees at the division's Fisheries Experiment Station worked with Idaho State University to develop several vaccine-delivery systems to combat coldwater disease. These vaccine-delivery methods show promise for future use in state fish hatcheries.
- Division biologists discovered a new breeding population of boreal toads in the Little West Fork Duchesne River area. It was the first boreal toad population found in northeastern Utah. Biologists also established new boreal toad populations in northern Utah.
- In FY 2011, division employees finalized and launched the Blue Ribbon Fisheries website (located at wildlife.utah.gov/blueribbon). The division worked closely with the Blue Ribbon Fisheries Advisory Council, whose members sought to improve angler satisfaction by providing water-specific information for Utah.
- Employees in the division's Wahweap fish hatchery grew the first catfish ever produced in a Utah hatchery. In FY 2012, hatchery employees plan to triple or quadruple their catfish production.

2010-2011 Highlights (cont.)

Conservation Outreach

- The division's communication team won a national award this year at the annual meeting of the Association for Conservation Information, held in Cincinnati, Ohio. The second-place award was for the "Adopt a Desert Tortoise" news release, which the division issued in July 2010.
- The division moved Project WILD, a conservation-education program for K-12 students, to the Utah Society for Environmental Education. In place of Project WILD, the division is focusing its conservation-education efforts on activities that get youth outdoors and experiencing wildlife.
- A total of 6,700 deer hunters participated in the division's Dedicated Hunter Program. The program provides additional general-season deer hunting opportunity to participants who complete a Wildlife Conservation and Ethics Course and provide volunteer service hours (40 hours over three years) on wildlife-related projects. Dedicated Hunters provide approximately \$1.8 million in labor annually on projects designed to benefit wildlife.
- In September 2010, the division provided educational exhibits, live wildlife displays, a shooting-sports trailer and a fishing pond during the 10 days of the Utah State Fair. Nearly 300,000 people attend the fair annually. The division also operated information booths at many one-day celebrations and at multi-day fairs and expositions, including the Western Hunting and Conservation Expo and the International Sportsmen's Expo.
- Throughout the year, the division sponsors nearly 20 watchable-wildlife events and festivals. These events provide opportunities for people to spend time outdoors and to learn about wildlife conservation. Some of the more notable events include Day of the Condor, Bighorn Sheep Watch, Kokanee Salmon Day, Hardware Ranch Elk Festival, St. George Winter Bird Festival and the Greater and Gunnison sage-grouse watches.
- The division's Leadership Development Program strengthens the skills of existing leaders and develops employees with leadership potential. Now in its fifth year, the program has 75 participants, each with a personalized development plan.



The division held its annual Day of the Condor on June 18, 2011.

Photographer: Lynn Chamberlain, UDWR

2010-2011 Highlights (cont.)

Habitat

- The division continues to work with the Utah Department of Transportation (UDOT) in planning and implementing wildlife-crossing structures and fencing in critical areas statewide (including projects on I-70, I-80 and US 6). Both agencies are also cooperating on the collection of wildlife-vehicle collision data and the use of that data to make mitigation decisions. The division is also partnering with Utah State University to complete a long-term study on the effectiveness of wildlife crossings statewide.
- In FY 2011, the division's Natural Heritage Program responded to 287 formal requests and 66 informal requests for information about the locations of sensitive species.



The ferruginous hawk is just one of the many species the division tracks in its Natural Heritage Program database. Photo: Scott Root, UDWR

The program's database now contains information on 48,618 occurrences of sensitive species in the state of Utah (a 26 percent increase over FY 2010). The database is Utah's only centralized data warehouse for sensitive species location and occurrence data.

- The division's Big Game Range Trend Project monitored and summarized findings for 107 big game habitat locations in northeastern Utah. The results and photos of these trend studies can be found on the division's website (see wildlife.utah.gov/range). The division also monitored vegetation response for 67 Watershed Restoration Initiative projects located throughout the state.
- Working with the Natural Resources Conservation Service (NRCS), the division provides four wildlife biologists who are located in NRCS field offices throughout Utah. These biologists assist with wildlife-conservation planning on private lands. In FY 2011, the biologists contacted more than 100 private landowners — multiple times, in many cases — to increase awareness of available funding sources, address environmental quality issues, and implement habitat-improvement projects. The biologists also provided information to landowners about the NRCS Sage-Grouse Initiative and generated landowner applications to improve sage-grouse habitat in Utah.
- Despite challenging economic times, Utah's Watershed Restoration Initiative continues its success. Implemented within the division, the initiative is a thriving, collaborative effort to restore and conserve natural resources throughout the state. In FY 2011, there were 197 active restoration projects, a few of which will be completed in FY 2012. Nearly 120 new projects have been approved for FY 2012, at a cost of approximately \$15 million.

2010-2011 Highlights (cont.)

Law Enforcement

- In FY 2011, the division's law enforcement officers:
 - o Contacted 174,353 individuals.
 - o Checked 78,664 licenses.
 - o Documented 906 illegal kills valued at \$556,105.
 - o Issued 4,614 citations documenting 5,495 violations.
 - o Created 858 cases documenting an additional 1,823 violations.
- Division officers continued working several deer-poaching cases. Many involved mature bucks that were shot on winter range after the hunting seasons ended. The poachers targeted many areas, including limited-entry hunting units in central and southern Utah. Many of the cases have been successfully prosecuted. The division's law-enforcement personnel have partnered with sportsmen's organizations to create a unit-focused watch program to deter future deer-poaching incidents.
- While performing their enforcement duties, several officers assisted local drug task forces and sheriff's offices in eradicating marijuana operations. Marijuana grows are increasing on public land throughout Utah and pose a significant threat to hunters and other outdoor enthusiasts.
- The division supports other state and local law enforcement agencies. In FY 2011, conservation officers issued the following non-wildlife citations:
 - o Drugs: 259 violations
 - o Alcohol: 288 violations
 - o Weapons: 318 violations (includes restricted person)
 - o Traffic: 387 violations
 - o OHV: 390 violations
 - o Boating: 118 violations
- In FY 2011, the division's Hunter Education Program achieved the following results:
 - o Conducted 613 total classes for all three programs (Hunter Education, Bowhunter Education and Furharvester Education).
 - o Certified 10,649 students.
 - o Worked with 485 instructors who donated 15,442 hours (valued at just over \$30 per hour), for a total value of \$466,348.
 - o Conducted 22 training courses and certified 122 new instructors.
 - o Implemented new, online-course delivery options.
 - o Received \$74,364 in revenue from the 20,089 customers who used the Cache Valley Public Shooting Range.
 - o Received more than \$269,074 in revenue from the 56,746 customers who used the Lee Kay Public Shooting Range.

2010-2011 Highlights (cont.)

- In FY 2011, the division worked to expand Utah's National Archery in the Schools Program (NASP), and helped host Utah's first NASP state tournament. The division also finalized a NASP business plan, which includes a grant process to help interested schools obtain archery equipment.
- A record 93 youth participated in the division's state-level Youth Hunter Education Challenge. The division co-sponsored the 17 Utah youth who progressed to the international competition in Pennsylvania.
- The division conducted 20 shooting-sport events, involving approximately 35,000 participants statewide. Volunteers donated more than 4,000 hours (at a value of just over \$30 per hour) for a total value of more than \$120,800. These events included venues at the Utah State Fair, scout camps, Night Out Against Crime events, county fairs, conservation expos, festivals and others.

Wildlife

- In late 2010, the division proposed changes to the general-season deer hunt. The Wildlife Board believed that even more changes were necessary and approved a substantial shift in hunt boundaries. Starting in 2012, the public will hunt deer in 30 units instead of five regions. This change affected several other division programs, including the Dedicated Hunter Program, the Lifetime License Program and hunting opportunities for youth. The Wildlife Board approved corresponding changes to these programs for the 2012 season.
- During the 2011 spring runoff, the division successfully managed extremely high flood flows through several waterfowl management areas (WMAs). Division personnel were diligent in clearing logjams, removing debris, adjusting head gates and, when necessary, breaching dikes. The division coordinated with other government agencies, including local counties and cities, to identify bottlenecks in the river deltas within and upstream of the WMAs.
- Division biologists worked with employees from the Division of Parks and Recreation to transplant 18 sharp-tailed grouse from northern Utah to Antelope Island State Park. This was the second year of a multi-year effort to establish a nursery population for future statewide transplants. A newly formed lek (breeding ground) on Antelope Island was discovered during this year's effort.

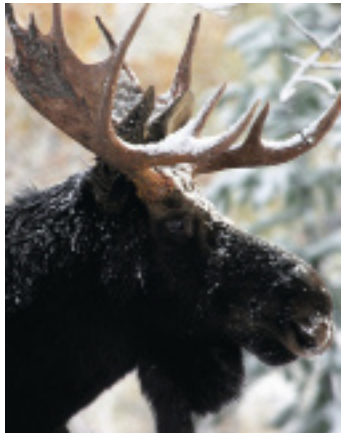


The sharp-tailed grouse is native to Utah. In addition to the new population on Antelope Island, there are populations in eastern Box Elder, Cache and Morgan counties.

Photographer: Phil Douglass, UDWR

2010-2011 Highlights (cont.)

- The division's Walk-in Access program continues to grow, and employees are focused on obtaining fishing access. There are now 100 private properties that provide 65,014 acres of land, 18.86 miles of stream and 2,096 acres of ponds for wildlife-dependent recreation. Thousands of hunters and anglers visit these properties every year. Both landowners and sportsmen have expressed satisfaction with the program.
- This year, the division obtained federal grants to assist with disease surveillance and management activities. Grant funding supported the collection and testing of almost 2,100 deer, elk and moose samples (for chronic wasting disease) and the collection of 400 waterfowl samples (for avian influenza surveillance). The division also monitored for brucellosis in key areas of the state. Biologists collected samples from 115 elk and 95 bison, and none tested positive for the disease.
- The division's Cooperative Wildlife Management Unit (CWMU) program grew again in FY 2011. There are now 112 active CWMUs in Utah, and they provide limited public access to hunt on private property. The program features more than two million acres of private land where public sportsmen can hunt deer, elk, moose or pronghorn. Thousands of hunters visit CWMUs annually, using permits they obtained in the hunt drawing or purchased directly from landowners. Both landowners and sportsmen have expressed high satisfaction with the CWMU program.



Moose are among the species the public can hunt on some of Utah's CWMUs.

Services and Functions

Certificates of Registration

Issues licenses and certificates of registration to falconers, private pond owners and people who want to own exotic pets.

Community Fisheries Program

Partners with local governments to provide urban and community fishing opportunities for Utah youth and families.

Dedicated Hunter Program

Provides additional hunting opportunities for Utah deer hunters who perform volunteer service benefiting wildlife.

Fisheries Experiment Station

Monitors Utah's wild fish populations and the division's fish hatcheries. Provides hatcheries with disease assessment and treatments.

Great Basin Research Center and Seed Warehouse

Conducts rangeland-rehabilitation research. Also stores, mixes and distributes seed for habitat-restoration projects.

Hatcheries

Owns and operates 12 state fish hatcheries.

Hunter Education

Trains young adults in the safe handling of firearms and is a prerequisite to purchasing a hunting license. The Lee Kay Center for Hunter Education (801-972-1326) and the Cache Valley Hunter Education Center (435-753-4600) provide Hunter Education courses and public shooting ranges.

Licenses

Sells hunting and fishing licenses.

Natural Heritage Program

Identifies and monitors sensitive plant and animal species, and maintains a database for making natural resource decisions.

Publications

Creates publications that provide news and information to constituents. Also publishes guidebooks that summarize hunting, fishing and trapping regulations.

Radio Show

Produces a weekly radio show, "Discover Utah Wildlife," which is broadcast on many stations statewide and available via podcast.

Volunteer Program

Supplements division programs while providing Utah's public an opportunity for hands-on experiences with wildlife biology, habitat restoration and education.

Website (wildlife.utah.gov)

Provides many online services and tools. Customers can buy hunting and fishing licenses, and use Web tools to obtain a wealth of information about Utah's wildlife.

Regional Offices

CENTRAL REGION (SPRINGVILLE)

John Fairchild, Regional Supervisor
801-491-5678

NORTHEASTERN REGION (VERNAL)

Kevin Christopherson, Regional Supervisor
435-781-9453

NORTHERN REGION (OGDEN)

Ron Hodson, Regional Supervisor
801-476-2745

SOUTHEASTERN REGION (PRICE)

Bill Bates, Regional Supervisor
435-613-3708

SOUTHERN REGION (CEDAR CITY)

Doug Messerly, Regional Supervisor
435-865-6103

Regional Advisory Councils

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fred@south-fork.net

NORTHEASTERN REGION
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briggsangus@yahoo.com

NORTHERN REGION
Robert Byrnes, Chair
rwb62@comcast.net

SOUTHEASTERN REGION
Derris Jones, Chair
djones@preciscom.net

SOUTHERN REGION
Steve Flinders, Chair
steveflinders@fs.fed.us

Utah Geological Survey (UGS)



Mission Statement

“Utah Geological Survey provides timely scientific information about Utah’s geologic environment, resources and hazards.”



Utah Geological Survey geologist Craig Morgan working in the San Rafael Swell to assess the potential for carbon dioxide sequestration

Utah Geological Survey

1594 West North Temple, Suite 3110

PO Box 146100

Salt Lake City, Utah 84114-6100

801-537-3300

801-537-3400 (fax)

www.geology.utah.gov



L to R: Rick Allis, Kimm Harty, John Kingsley, Dianne Davis

Executive Team

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Kimm Harty - Deputy Director/Legislative Liaison

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John Kingsley - Associate Director

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Dianne Davis - Administrative Secretary

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Division Director's Message

We are the Utah Geological Survey (UGS), providing information and advice about Utah's energy and mineral resources, geologic hazards and its unique geologic environment. This spring, with its unusually wet weather and the heavy snowpack left in the mountains, our landslide hazards team was exceptionally busy responding to requests for advice on mudslides and debris flows. However, our most notable achievement during 2010



-11 was the pass-through to state and local governments, and the private sector, of over \$22 million in federal stimulus funding as part of our management of \$47 million of Department of Energy grants for energy efficiency initiatives. This required the Utah State Energy Program to grow from around 4 staff prior to this funding boost, to over 12 staff by the end of the year. We said farewell to the program in mid June as they moved into the new Office of Energy Development housed in the Department of Environmental Quality.

Rick Allis, Division Director



Above: UGS Board Members left to right: Top Row: Don Harris, Tom Tripp, and Bill Loughlin. Bottom Row: Ken Puchlik, Sunny Dent, Mark Bunnell, and Jack Hamilton

Board of the Utah Geological Survey

Kenneth Puchlik, Chair – Minerals (Industrial)

Mark D. Bunnell, Vice-Chair – Minerals (Coal)

Jack Hamilton, Scientific Interests

Sunny Dent, Public-at-large

Don Harris, Minerals (Hydrocarbons)

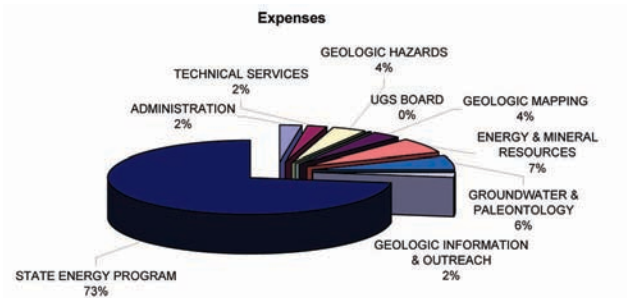
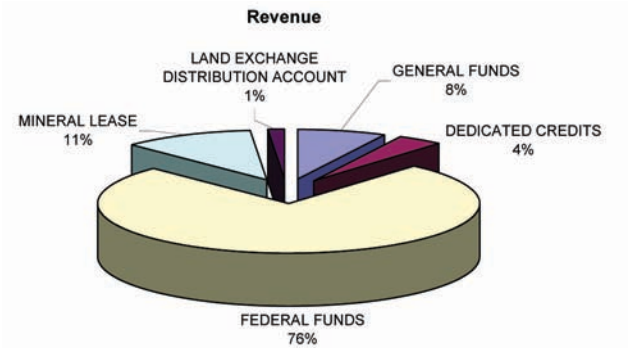
Bill Loughlin, Geology/Engineering

Tom Tripp, Minerals (Metals)

Kevin Carter, Ex-officio

Financials

**Fiscal Year Ending
June 30, 2011
(Unaudited)
\$32,700,798**



UGS Geologist Mark Milligan making a presentation at Earth Science Week

2010-2011 Highlights

Ground Water and Paleontology Program

- Maintained and evaluated data collected from monitoring-well and spring-flow gauging network in the Snake Valley area of Utah's west desert, and developed Groundwater data portal (<http://geology.utah.gov/databases/groundwater/projects.php>) to make the data accessible to the public.
- Evaluated groundwater conditions in Morgan Valley, Morgan County, to help facilitate ground- water management.
- Continued the excavation, preparation, and scientific description of several new species of dinosaurs from sites in Grand County.
- Completed, with cooperation of Geologic Hazards Program, report on options for local governments in Cedar Valley, Iron County, to respond to land-surface subsidence and earth fissures caused by ground-water withdrawals.
- Provided Governor's Office of Planning & Budget with estimates of future revenue from critical energy and mineral production in Utah.



UGS geologist Janae Wallace sampling groundwater in the southern Uinta Basin

Energy and Minerals Program

- Continued multi-year assessments of Utah's geothermal resources.
- Continued multi-year studies of gas potential of the Mancos Shale in the Uinta Basin and regional carbon dioxide sequestration potential of the Weber and Entrada Sandstones.
- Began a project to make Utah's portion of the National Coal Resource Data System available to the public.
- Continued research on 1) Paleozoic shale gas plays in Utah, and 2) conflicts between conventional natural gas operations and future oil shale development in Utah.
- Continued studies of the potash resources of the Paradox Basin, Utah.
- Provided Governor's Office of Planning & Budget estimates of future revenue from critical energy and mineral production in Utah.

2010-2011 Highlights (cont.)

Geologic Hazards Program

- Continued mapping geologic hazards in western Salt Lake Valley and northern Utah Valley as part of our on-going geologic hazards mapping Initiative.
- Completed geologic-hazard mapping for the Zion National Park and Cache Valley projects.



UGS geologists Gregg Beukelman and Rich Giraud mapping landslide features and building damage on the Springhill landslide in North Salt Lake

- Completed landslide inventory maps for the 12-Mile Canyon and Muddy Creek areas on the Wasatch Plateau, and continue mapping over 200 square miles of additional area.
- Completed and published a statewide set of landslide maps at 1:100,000 scale.
- Worked closely with the U.S. Geological Survey and others to evaluate active faults in Utah, including the Washington fault, the Salt Lake City segment of the Wasatch fault, and the West Valley fault zone.
- Co-sponsored the Working Group on Utah Earthquake Probabilities that is developing an earthquake forecast for the Wasatch Front.
- Responded to various local governments inquiries regarding landslide movement.
- Continued geologic data preservation by archiving older geologic maps, engineering geology reports, and aerial photographs of Utah.

Mapping Geology Program

- Published 16 geologic maps of parts of Utah.
- Archived and prepared digital copies of 311 older geologic maps that were in danger of disappearing.
- Received federal cost-share contracts to conduct geologic mapping in the Panguitch/Bryce Canyon area, western Grouse Creek Mountains, Ogden/Willard area, Cedar City/Kanarrville area, Salina Canyon, and other areas of the state.

2010-2011 Highlights (cont.)

Geologic Information and Outreach Program

- Tracked 8,023 public inquiries that were answered by the UGS.
- Held activities for 770 elementary students during Earth Science Week.
- Loaned out 160 educational teaching kits.
- Instructed two teacher workshops.
- Published a brochure called “Why is Bear Lake so Blue and other Commonly Asked Questions” and a poster titled “Rock Cycle.”



UGS geologist Don Clark identifying minerals with students during Earth Science Week

Utah State Energy Program

- By directive of H. B. 475 passed in the 2011 legislative session, the State Energy Program was merged into the newly formed Office of Energy Development.
- Provided state energy codes training to over 550 architects, engineers, contractors, and code officials throughout the state at no charge.
- Continued oversight of programs and activities funded through \$47 million in grant funds from the U.S. Department of Energy, to be distributed to state and local governments, and private sector, over the next two program years to support job development and energy savings. Programs are 50-80% completed, including:
 - o Awards to 52 cities and counties of \$8.5 million dollars for energy retrofits and renewable energy projects.
 - o Awards to 32 schools of \$5 million in grants and loans for energy retrofits and \$3.5 million in renewable projects
 - o Awards of \$2.5 million in appliance rebates and \$3 million in renewable energy rebates to citizens of Utah.

Services and Functions

Utah Core Research Center

Serves as a repository and laboratory for Utah well cutting and core, petroleum, coal and geologic samples used for public education, and industry and state resource research. Center provides core photography, slabbing, and plug preparation, and sample loan services, as well as data searches and workshops.

Geologic-Hazard Assistance

Assists governments in responding to geologic-hazard emergencies. Reviews geologic-hazard reports for school districts. Investigates geologic hazards and prepares geologic-hazards maps for local governments, consultants and the public.

USEP*

Anemometer Loan Program: Program continues to partner with Utah landowners to install 20m and 50m towers to collect and analyze wind data. Also works to create a better interactive map that will allow users to see the topography of each site along with the raw data, monthly averages and the final report.

Energy Education: Provides public information on energy efficiency and renewable energy; manages statewide working groups on solar, wind, geothermal and energy efficiency; provides training on energy building codes for builders and designers.

* This program was transferred to the Department of Environmental Quality at the start of Fiscal Year 2012.

Natural Resources Map & Bookstore

Offers a selection of publications and maps on Utah geology and other natural-resource topics. Maintains an inventory of topographic maps for all of Utah and parts of surrounding states.

Water Resource/Environmental Evaluations

Evaluates ground-water resources. Protects drinking water supplies by investigating environmental impacts of waste disposal and storage and treatment facilities for state, federal, local governments and agencies.

Public Inquiry

Provides information on Utah geology and geologic issues to governments, industry, education, and the general public.

Services and Functions (cont.)

Energy and Mineral Evaluations

Investigates and provides energy and mineral resource information on county, state or federal lands to local, state and federal agencies.

Paleontological Services

Evaluates paleontological sites. Excavates critical fossils in danger of destruction. Issues paleontological excavation permits.



UGS paleontologist Don DeBlieux with an excavated, jacketed and ready-to-transport dinosaur leg bone found near Arches National Park

UGS Regional Office

Southern Utah Regional Office

William Lund
88 East Fiddler Canyon Road, Suite C
Cedar City, UT
435-865-9041
billlund@utah.gov

Department of Natural Resources

Monday-Friday

8:00 a.m. - 5:00 p.m.

(closed on legal holidays)

On-line resources:

Boating Safety:

www.stateparks.utah.gov/boating

Camping Reservations:

www.stateparks.utah.gov/reservations

Earthquake Awareness:

www.geology.utah.gov/utahgeo/hazards/index.htm

Employment::

www.hr.utah.gov/adm/admhr.htm

Hunter Safety:

www.wildlife.utah.gov/huntereducation

Hunting and Fishing Licenses:

www.secre.utah.gov/hflo2/hflo

Map and Bookstore:

www.mapstore.utah.gov

Mining Permits:

www.ogm.utah.gov/mining/default.htm

Off-Highway Vehicles:

www.stateparks.utah.gov/ohv

Oil Drilling Permits:

www.oilgas.ogm.utah.gov/Quick_Refs/qref_permits.htm

Water Conservation:

www.conservewater.utah.gov

Water Rights Records:

www.waterrights.utah.gov/wrinfo/query.asp

The Utah Department of Natural Resources receives federal aid and prohibits discrimination on the basis of race, color, sex, age, national origin or disability.

For information or complaints regarding discrimination, contact:

Executive Director

Utah Department of Natural Resources

PO Box 145610

Salt Lake City, Utah 84114-5610

Or contact:

Equal Employment Opportunity Commission

1801 L Street, NW

Washington DC 20507-0001

Utah Department of Natural Resources
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Salt Lake City, Utah 84114-5610

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